

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\
 Data File : VD061185.D
 Acq On : 19 Mar 2019 15:17
 Operator : VA/AP
 Sample : I.BLK
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320

Quant Time: Mar 20 01:52:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

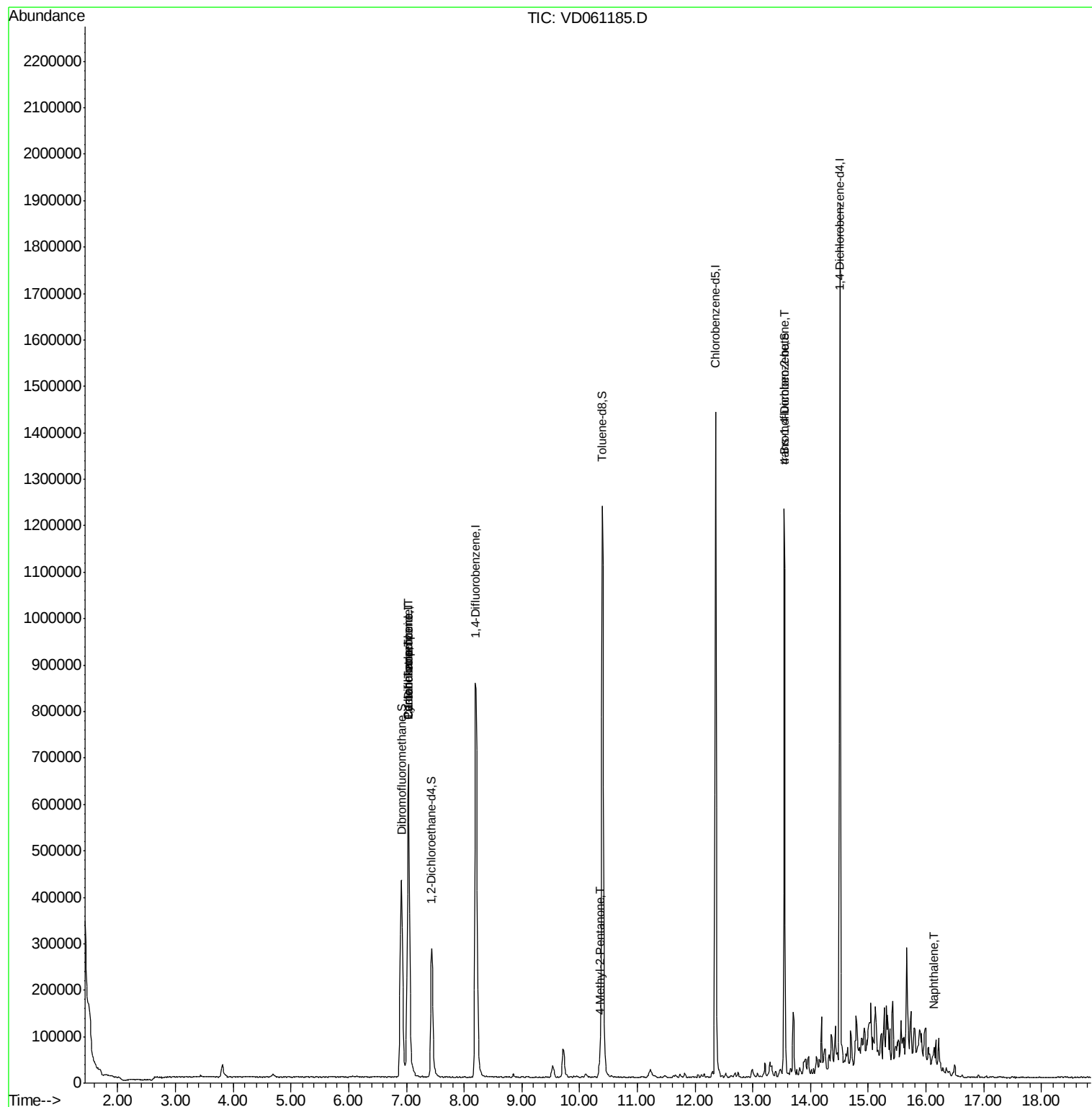
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	708376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1137006	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	954963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	423140	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	272957	46.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.58%	
35) Dibromofluoromethane	6.91	113	434635	51.51	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.02%	
50) Toluene-d8	10.39	98	1049696	49.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	13.54	95	407520	49.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.12%	
Target Compounds						
20) Methylene Chloride	3.81	84	19706	Below Cal		86
31) Cyclohexane	7.03	56	13215	1.267 ug/l #		1
36) 1,1-Dichloropropene	7.04	75	51501	5.255 ug/l #		47
38) Carbon Tetrachloride	7.04	117	65904	6.105 ug/l #		16
51) 4-Methyl-2-Pentanone	10.34	43	5079	1.301 ug/l #		84
81) trans-1,4-Dichloro-2-buten	13.54	75	148446	82.711 ug/l #		17
95) Naphthalene	16.12	128	11232	1.375 ug/l #		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031919\
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Quant Time: Mar 20 01:52:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061185.D

Acq: 19 Mar 2019 15:17

Instrument :

MSVOA_D

ClientSampleId :

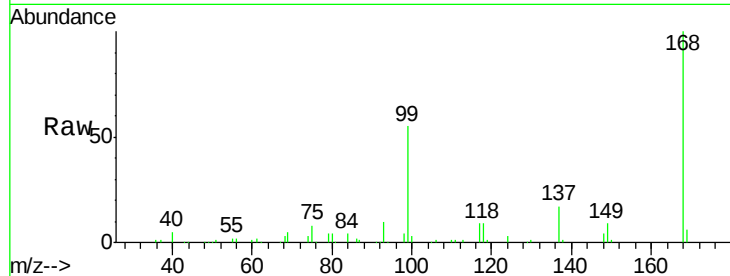
VD0320

Tot Ion:168 Resp: 708376

Ion Ratio Lower Upper

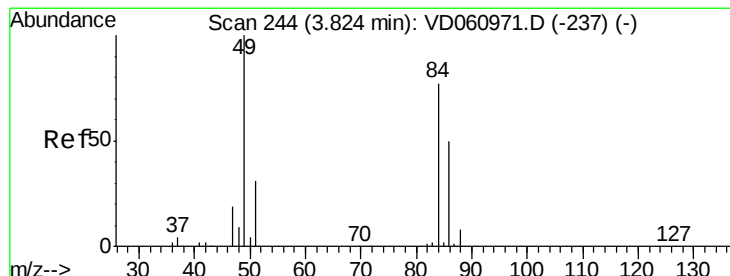
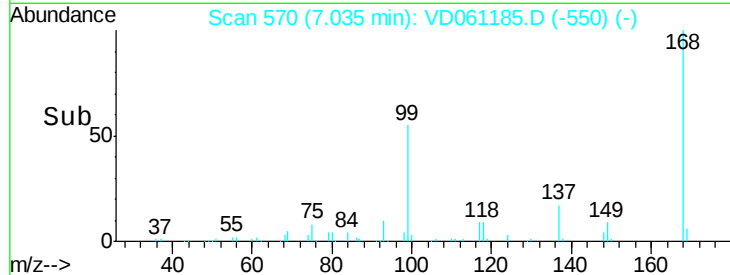
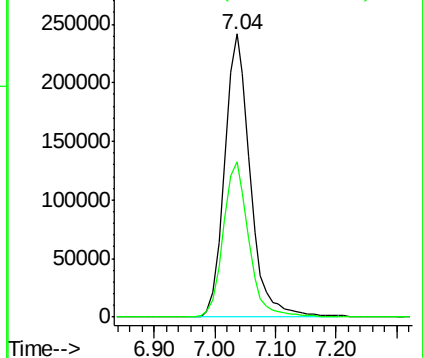
168 100

99 54.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.81 min Scan# 242

Delta R.T. -0.02 min

Lab File: VD061185.D

Acq: 19 Mar 2019 15:17

Tgt Ion: 84 Resp: 19706

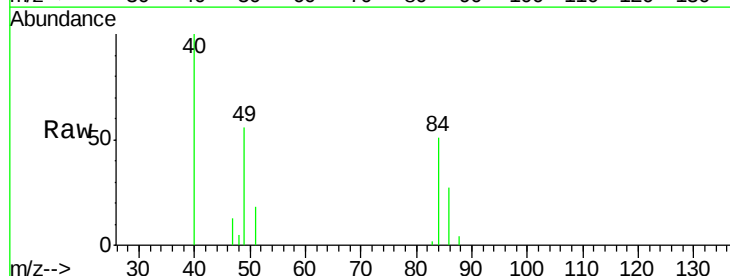
Ion Ratio Lower Upper

84 100

49 111.8 104.2 156.2

51 35.5 32.3 48.5

86 53.7 52.3 78.5

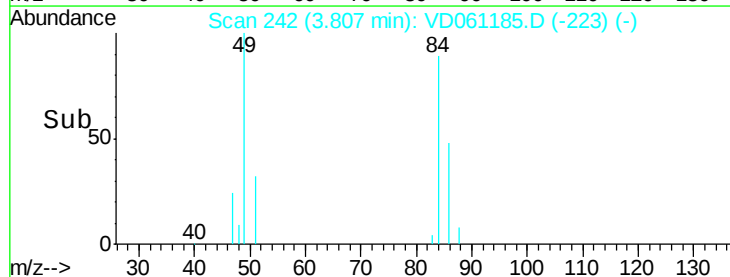
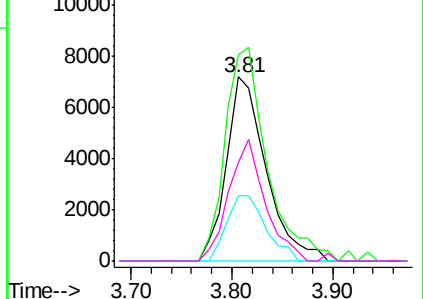


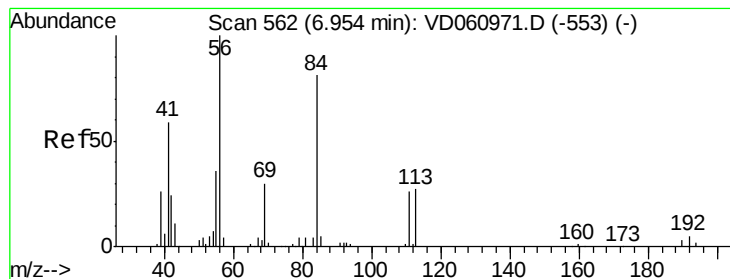
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#31

Cyclohexane

Concen: 1.267 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.07 min

Lab File: VD061185.D

Acq: 19 Mar 2019 15:17

Instrument :

MSVOA_D

ClientSampleID :

VD0320

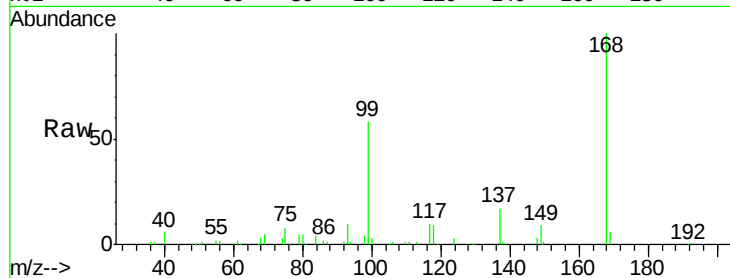
Tot Ion: 56 Resp: 13215

Ion Ratio Lower Upper

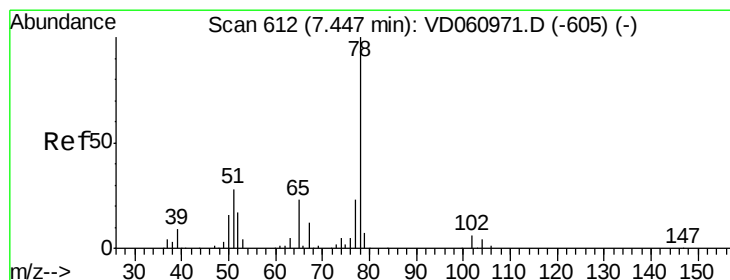
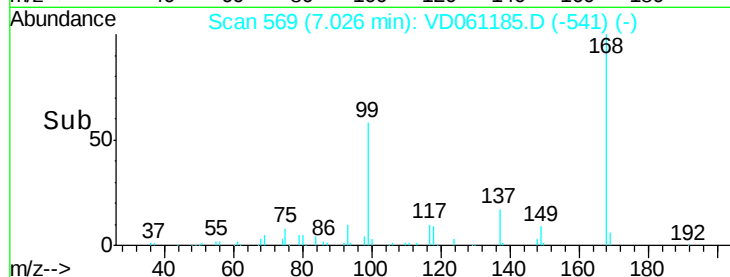
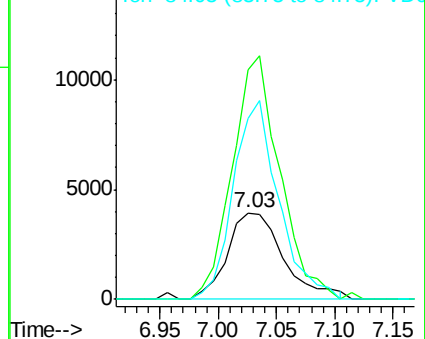
56 100

69 264.9 24.0 36.0#

84 208.6 65.8 98.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061185.D

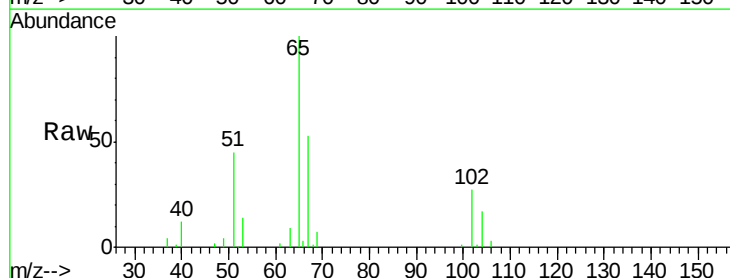
Acq: 19 Mar 2019 15:17

Tgt Ion: 65 Resp: 272957

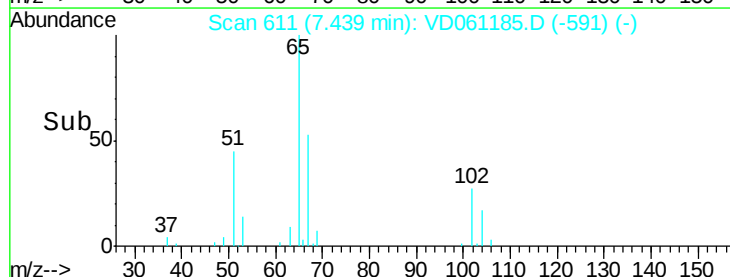
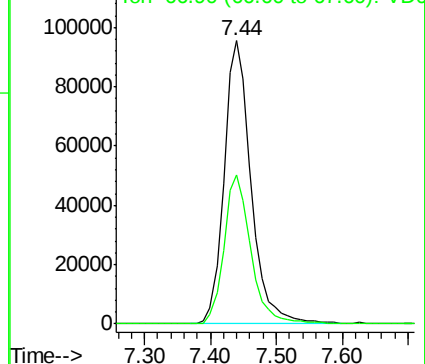
Ion Ratio Lower Upper

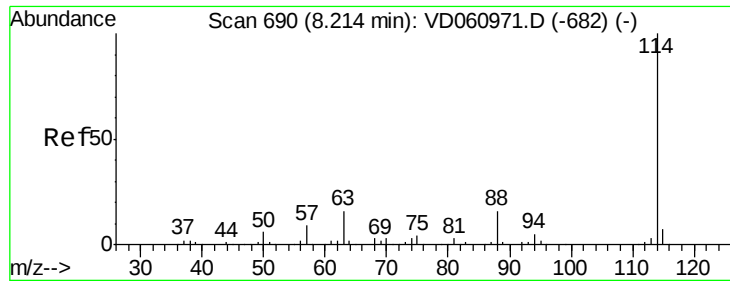
65 100

67 52.7 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

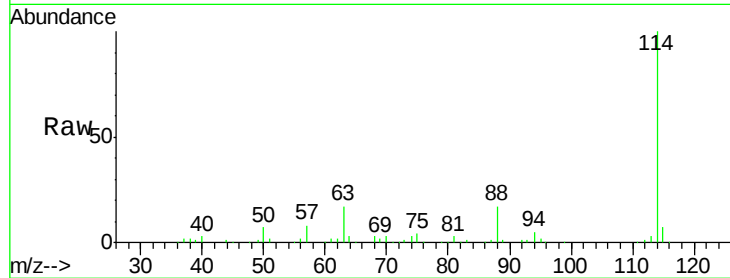




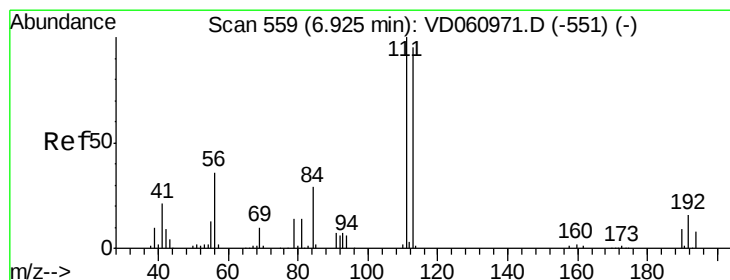
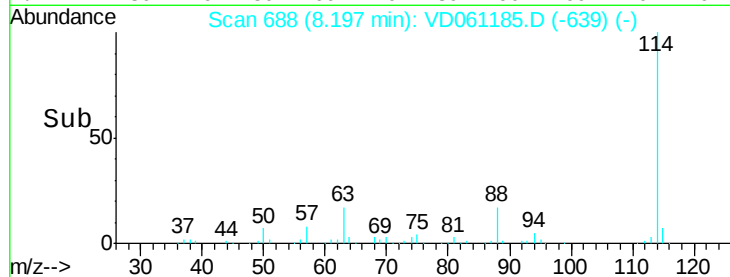
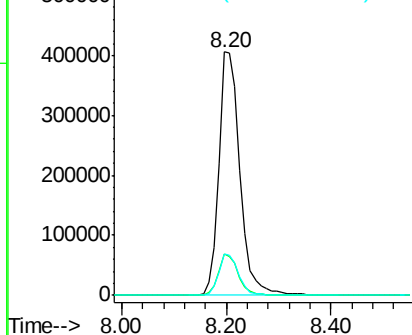
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: VD061185.D
 Acq: 19 Mar 2019 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320

Tot Ion:114 Resp: 1137006
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 31.4
 88 16.9 0.0 33.0

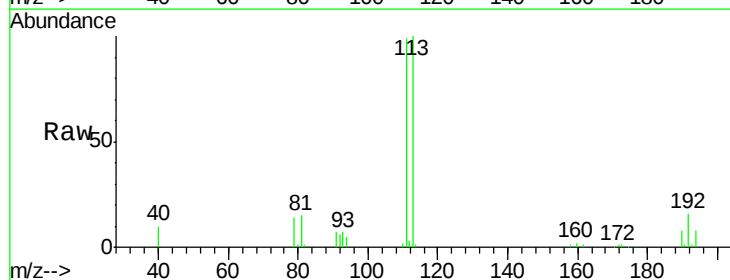


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

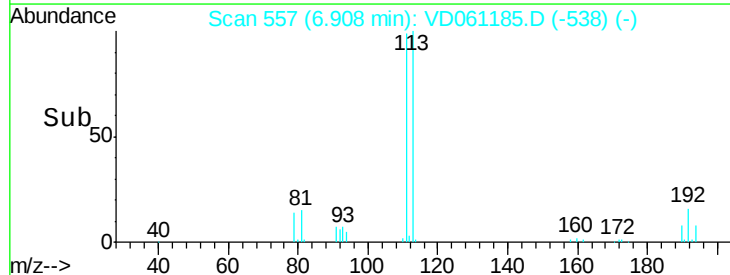
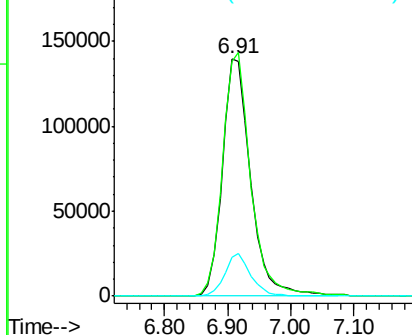


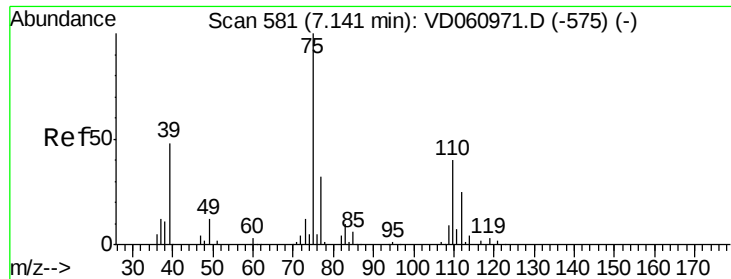
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD061185.D
 Acq: 19 Mar 2019 15:17

Tgt Ion:113 Resp: 434635
 Ion Ratio Lower Upper
 113 100
 111 98.9 84.2 126.4
 192 16.2 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

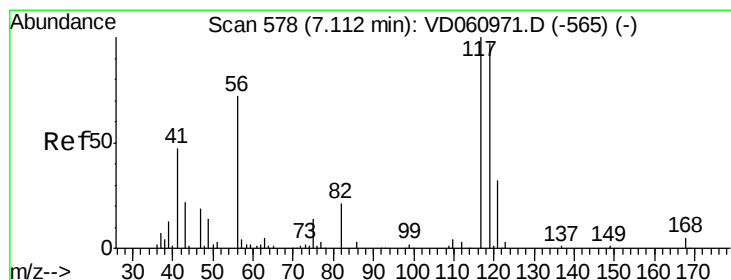
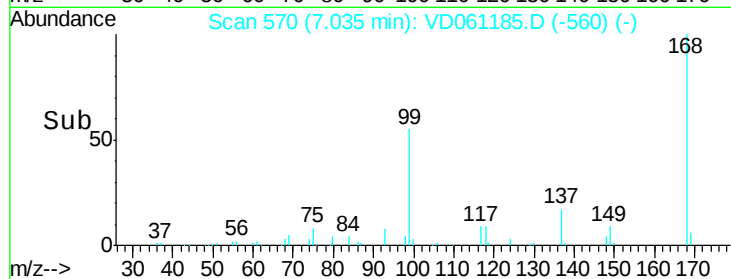
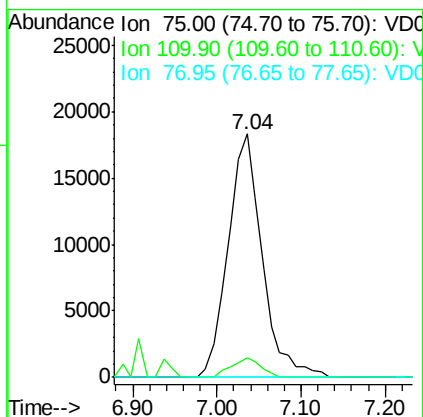
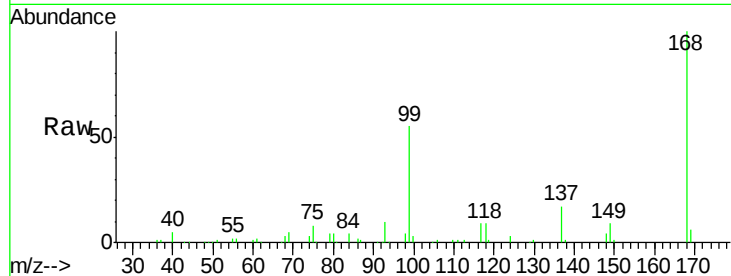




#36
 1,1-Dichloropropene
 Concen: 5.255 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD061185.D
 Acq: 19 Mar 2019 15:17

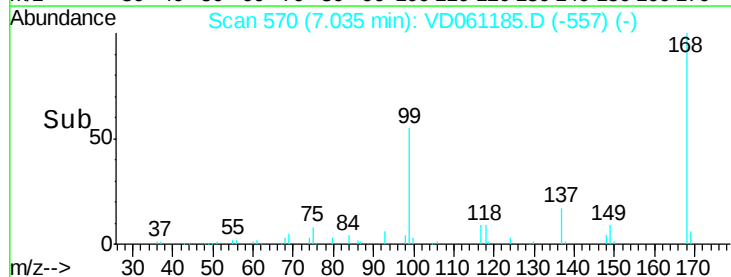
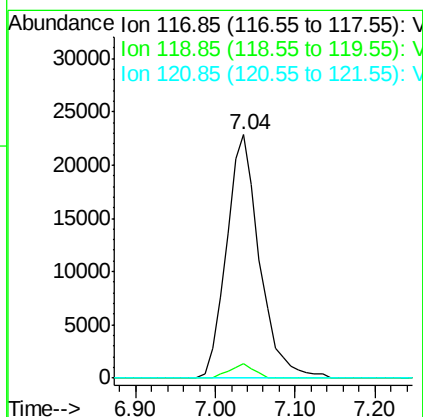
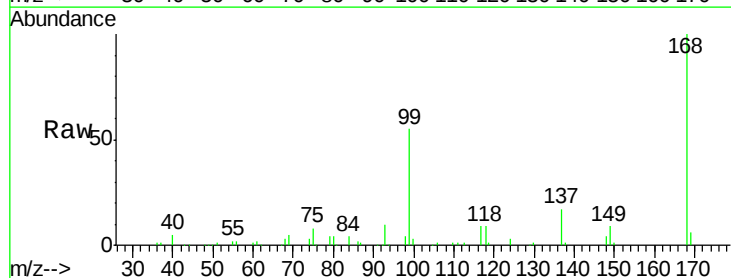
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320

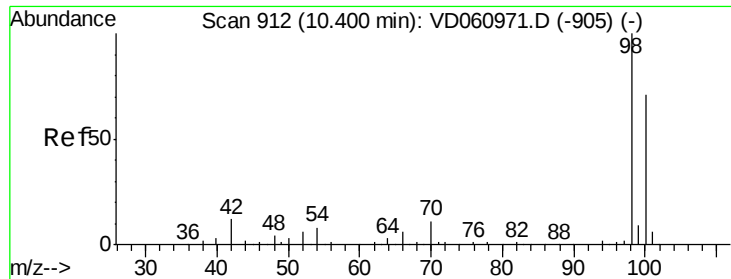
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	19.7	59.1#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.105 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD061185.D
 Acq: 19 Mar 2019 15:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	77.8	116.8#
121	0.0	25.3	37.9#

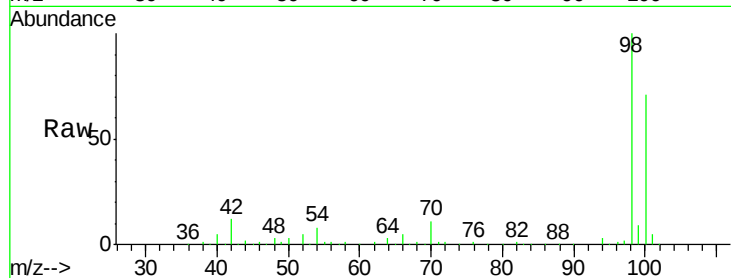




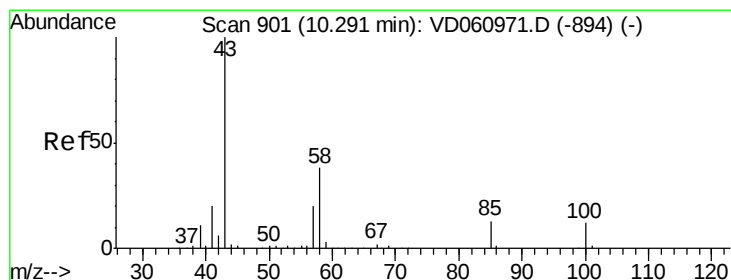
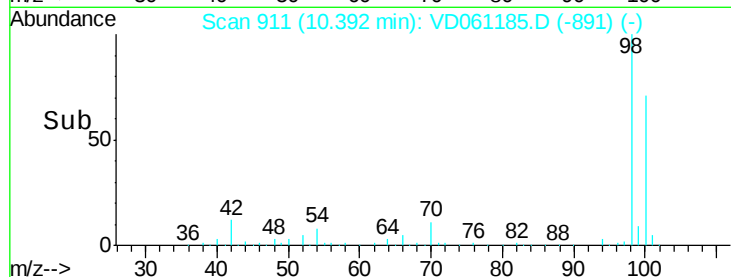
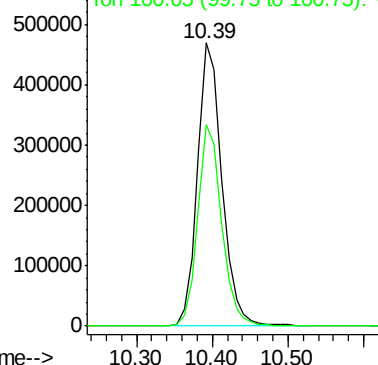
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061185.D
Acq: 19 Mar 2019 15:17

Instrument :
MSVOA_D
ClientSampleId :
VD0320

Tot Ion: 98 Resp: 1049696
Ion Ratio Lower Upper
98 100
100 71.2 57.4 86.2

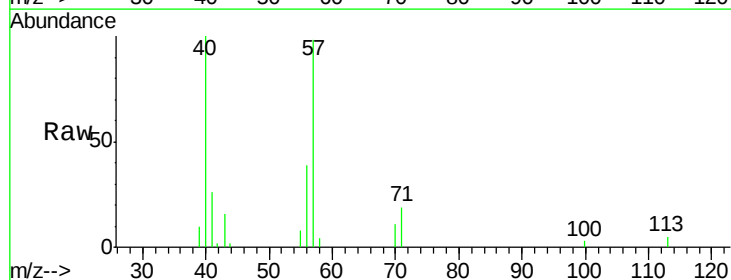


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

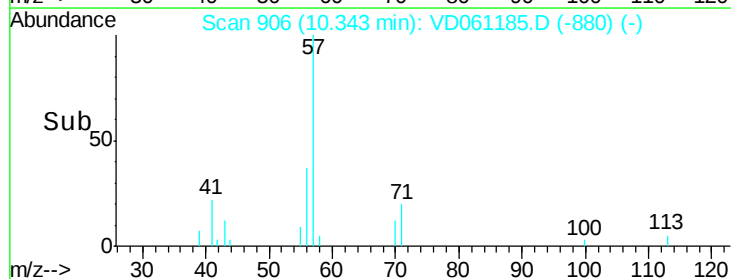
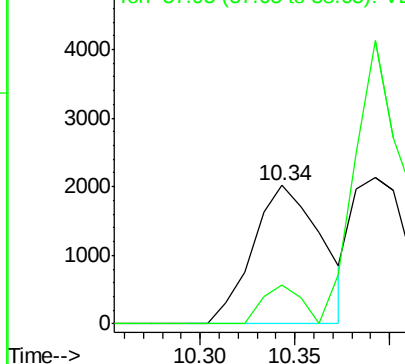


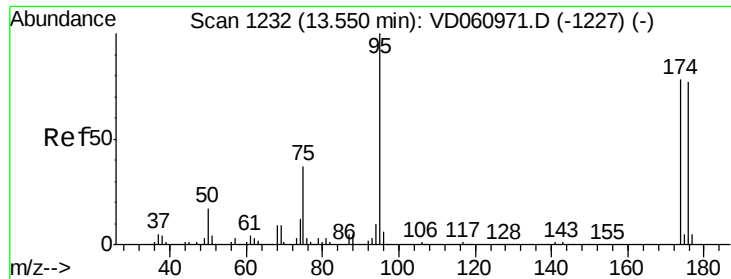
#51
4-Methyl-2-Pentanone
Concen: 1.301 ug/l
RT: 10.34 min Scan# 906
Delta R.T. 0.05 min
Lab File: VD061185.D
Acq: 19 Mar 2019 15:17

Tgt Ion: 43 Resp: 5079
Ion Ratio Lower Upper
43 100
58 28.1 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061185.D

Acq: 19 Mar 2019 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD0320

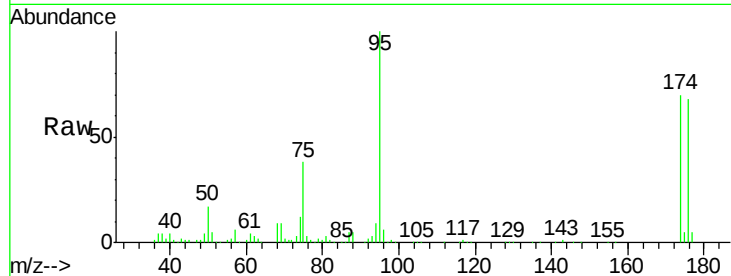
Tot Ion: 95 Resp: 407520

Ion Ratio Lower Upper

95 100

174 70.2 0.0 155.6

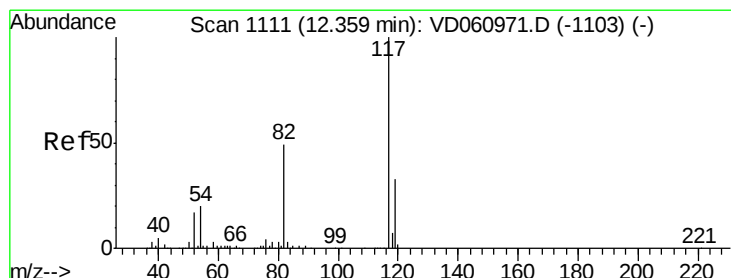
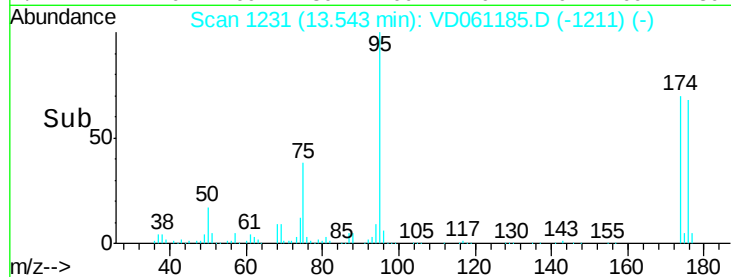
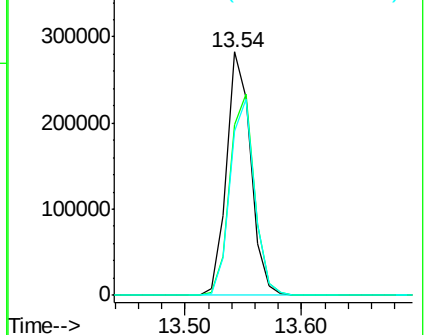
176 67.6 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD061185.D

Acq: 19 Mar 2019 15:17

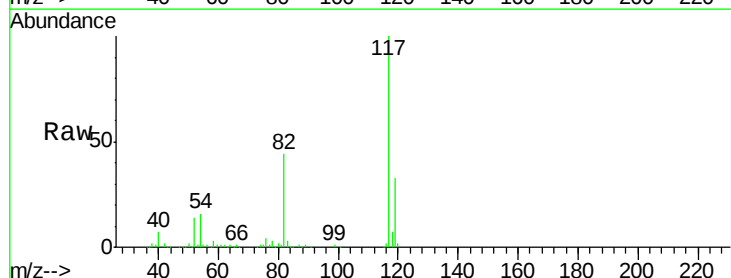
Tgt Ion: 117 Resp: 954963

Ion Ratio Lower Upper

117 100

82 43.6 38.9 58.3

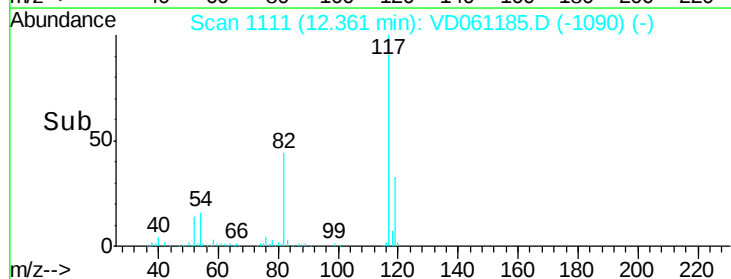
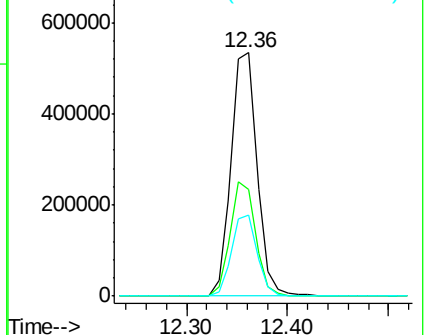
119 33.2 26.6 39.8

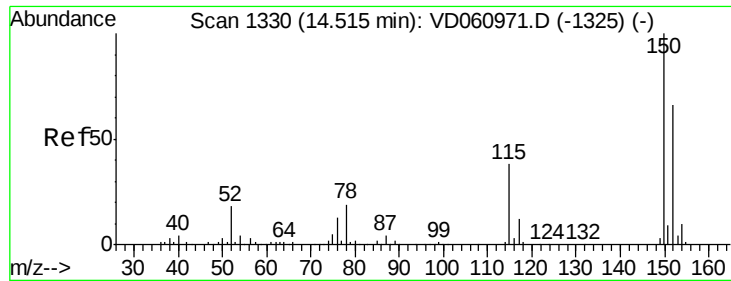


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061185.D

Acq: 19 Mar 2019 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD0320

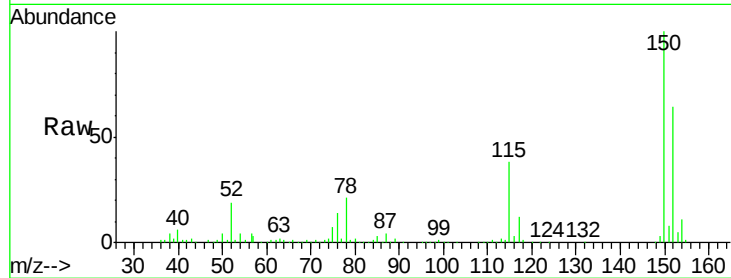
Tot Ion:152 Resp: 423140

Ion Ratio Lower Upper

152 100

115 59.9 28.6 85.9

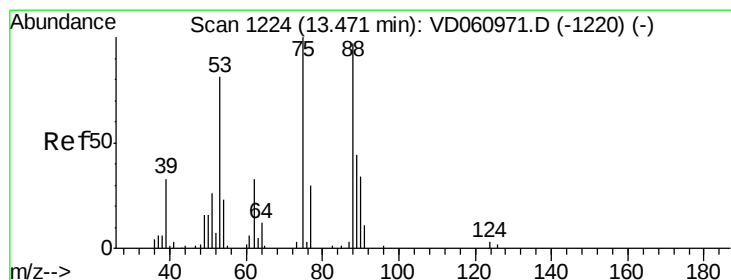
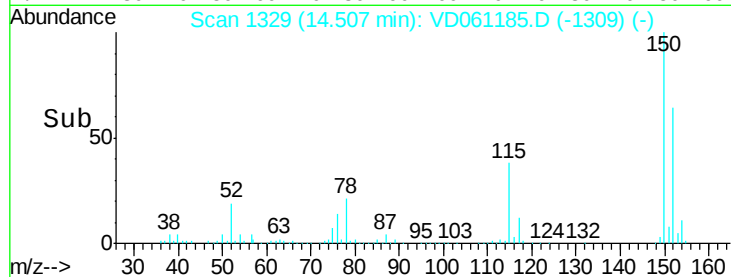
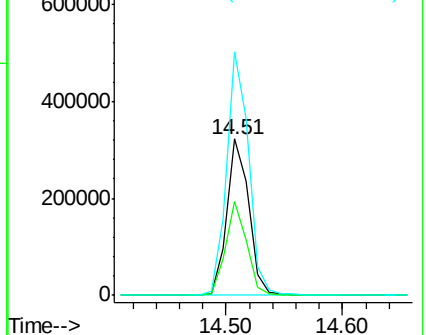
150 155.6 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 82.711 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061185.D

Acq: 19 Mar 2019 15:17

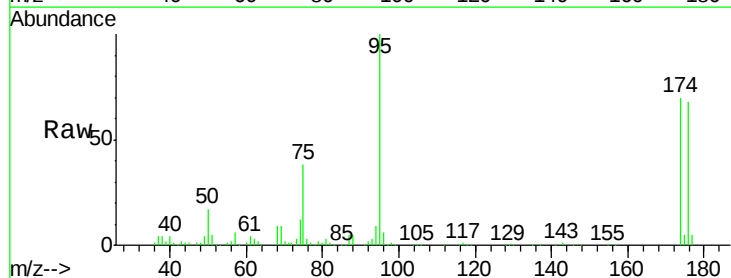
Tgt Ion: 75 Resp: 148446

Ion Ratio Lower Upper

75 100

53 0.3 64.4 96.6#

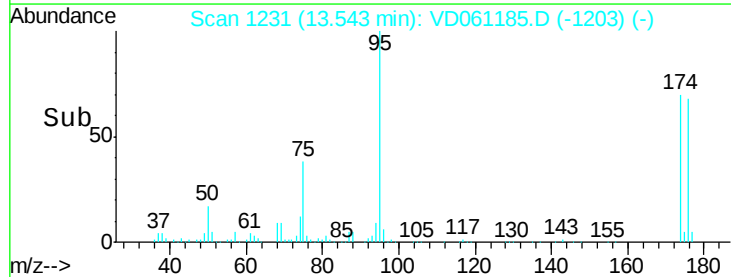
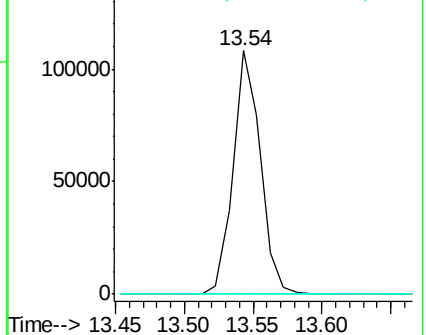
89 0.0 34.8 52.2#

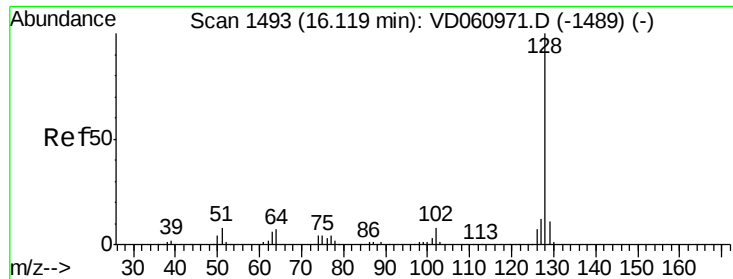


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95
Naphthalene
Concen: 1.375 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061185.D
Acq: 19 Mar 2019 15:17

Instrument :
MSVOA_D
ClientSampleId :
VD0320

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.6	9.8	14.8#
129	9.6	8.5	12.7

